



# THREAT AND RISK ASSESSMENT FOR WEAPONS OF MASS DESTRUCTION (JURISDICTION)



## COURSE SYLLABUS

This training program was developed in cooperation with the Texas A&M University System (TAMUS), the Texas Engineering Extension Service (TEEX), and the National Emergency Response and Rescue Training Center (NERRTC).

*A Member of the National Domestic Preparedness Consortium.*

## Course Outline

- I. Welcome and Introduction
  - A. Course Objective
  - B. Course Overview
  - C. National Domestic Preparedness Consortium (NDPC)
- II. Jurisdictional Assessments Overview
  - A. Program Background
  - B. Homeland Security
  - C. National Assessment Process
  - D. Why is this effort necessary?
  - E. State Administrative Agency (SAA)
  - F. Domestic Preparedness Strategic Planning Process
  - G. The Challenge
- III. Terrorism and Threat Assessment
  - A. Terrorism
  - B. Potential Threat Element (PTE)
  - C. Motivations
  - D. Weapons of Mass Destruction (WMD)
  - E. BNICE Weapons
  - F. Department of Justice Threat Assessment
  - G. Objectives of Threat Assessment
  - H. DOJ Threat Factors
  - I. Threat Level Ratings
  - J. Threat Values
  - K. Jurisdictional Threat Worksheet
  - L. Jurisdiction Threat Rating Summary
  - M. Threat Assessment Activity
- IV. Public Health Assessment
  - A. The Centers for Disease Control and Prevention
  - B. Public Health Security and Bioterrorism Response Act of 2001 (H.R. 3448)
  - C. TOPOFF
- V. Vulnerability Assessments and Site Survey
  - A. Introduction to the Four Step Process of the Vulnerability Assessment
  - B. Individual Target Vulnerability Assessment
  - C. Site Survey
  - D. Conducting the Site Survey
  - E. Security is Everyone's Business
- VI. Risk Assessment
  - A. Jurisdictional Threat Worksheet
  - B. Individual Target Vulnerability Summary
  - C. Jurisdictional Risk Assessment Matrix
  - D. WMD Threat History Table
  - E. Legal WMD Hazard Environment
  - F. Most Likely WMD Scenario(s)
- VII. Needs Assessment
  - A. Critical Tasks to Consider
  - B. Additional Considerations
  - C. Identifying and Prioritizing Needs
  - D. Office of Domestic Preparedness Compendium of Federally Conducted WMD Courses
- VIII. Implementation Plan
  - A. Tasks, Objectives and Goals
  - B. Four Categories of Three-Year Projection Plans
  - C. Three-Year Projection—Equipment
  - D. Domestic Preparedness Strategy
  - E. Review and Analysis

## **Course Objective**

This course is designed to teach multi-discipline teams the skills necessary to conduct a Threat and Risk Assessment. Upon successful completion of the course, jurisdictions will be able to organize a multi-discipline team capable of conducting the Department of Justice (DOJ) Risk Assessment within their jurisdiction and participate in the state's Domestic Preparedness Strategy.

## **Module 1:**

### **Jurisdictional Assessments Overview**

#### **Terminal Objective**

*The participants will be able to identify the requirements and benefits of conducting a Threat and Risk Assessment within the jurisdiction.*

#### **Enabling Objective**

*At the conclusion of this module, participants will be able to:*

- *Describe the Department of Justice program for assessing domestic preparedness and providing federal funding to the state and local jurisdiction in support of that effort.*

## **Module 2:**

### **Terrorism and Threat Assessment**

#### **Terminal Objective**

*The participants will be able to conduct a Threat Assessment and determine the Jurisdictional Threat Rating.*

#### **Enabling Objectives**

*At the conclusion of this module, participants will be able to:*

- *Define the terms Terrorism, Potential Threat Element (PTE), and Weapons of Mass Destruction (WMD).*
- *Describe PTE motivations.*
- *Describe targeting as it relates to PTE motivation.*
- *Identify and describe types of WMD (biological, nuclear/ radiological, incendiary, chemical and explosive [BNICE]).*
- *Assess a PTE in accordance with the DOJ Threat Assessment criteria.*
- *Complete the DOJ Threat Assessment worksheet and determine the Jurisdictional Threat Rating.*

### **Module 3:**

#### **Public Health Assessment**

##### **Terminal Objective**

*Participants will be able to discuss the Public Health Assessment and how it integrates with the Threat and Vulnerability Assessments to complete the Risk Assessment process.*

##### **Enabling Objectives**

*At the conclusion of this module, you will be able to:*

- *Discuss the background of the Public Health assessment and its role in WMD terrorism incident preparedness.*
- *Identify lessons learned from the TOPOFF 2000 Exercise.*

### **Module 4:**

#### **Vulnerability Assessment**

##### **Terminal Objective**

*The participants will be able to conduct a site survey of selected facilities and/or infrastructures and determine strengths and vulnerabilities relevant to Weapons of Mass Destruction (WMD).*

##### **Enabling Objectives**

*At the conclusion of this module, you will be able to:*

- *Describe the seven vulnerability factors.*
- *Conduct a site survey, using the equipment provided, and complete the DOJ Individual Target Vulnerability Summary.*
- *Using information acquired during the site survey, develop and deliver an 8-10 minute site survey presentation that addresses identified site strengths and vulnerabilities.*
- *Upon completion of the site survey presentations, discuss strategies to improve “potential target” security.*

## Module 5:

### Risk Assessment

#### Terminal Objective

*The participant will be able to complete the Jurisdictional Risk Assessment and determine the **most likely** WMD scenario(s) for the jurisdiction.*

#### Enabling Objectives

*At the conclusion of this module, you will be able to:*

- *Define the Jurisdictional Risk Assessment Rating.*
- *Determine the Legal BNICE hazards within the jurisdiction.*
- *Discuss the Threat History Data.*
- *Determine the **most likely** WMD scenario(s).*

## Module 6:

### Needs Assessment

#### Terminal Objective

*The participant will determine the “needs” to respond to the most likely WMD scenario(s) by identifying both the required and current capabilities.*

#### Enabling Objectives

*At the conclusion of this module, you will be able to:*

- *Assess capabilities to address response needs.*
- *Define the required capabilities needed to respond to the WMD scenario(s) by discipline.*
- *Determine the current capabilities of each discipline based on the WMD scenario(s).*
- *Determine tier level capability as defined under DOJ guidelines.*
- *Identify needs by discipline.*
- *Establish priorities to meet needs.*
- *Describe how the three components of the needs assessment support the Domestic Preparedness Strategic Planning Process.*

## **Module 7:**

### **Implementation Plan**

#### **Terminal Objective**

*The participant will be able to describe how each aspect of the Jurisdictional Risk Assessment process integrates into the overall Domestic Preparedness Strategy.*

#### **Enabling Objectives**

*At the conclusion of this module, you will be able to:*

- *Discuss the importance of planning.*
- *Discuss the three year projections as they relate to the implementation plan for the overall Domestic Preparedness Strategy.*
- *Describe the sequence of the jurisdictional assessment input and how it relates to the statewide strategy.*
- *Summarize the function and purpose of the Needs Assessment process and how it supports the goals and implementation plans of the jurisdiction.*